

## **ANALYTICAL & CONSULTING CHEMISTS**

# **Environmental Chemists, Inc.**

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info@environmentalchemists.com

May 22, 2018

Brunswick County Public Utilities Post Office Box 249 Bolivia, NC 28422 Attn: Glenn Walker

Report #2018-06535

Enclosed please find your analytical report.

Sincerely,

Tammy Duran Environmental Chemists, Inc.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis **Customer: Environmental Chemists** NLS Project: 298987

Page 1 of 3

Project Description: PFCs and GenX by EPA 537

Project Title: Template: 537PPTGENX Printed: 05/22/2018 15:48

ANALYTE NAME	RESULT	UNITSWWB	몯	LOD LOD	<u>ا</u>	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	ppt		6.6	21		
perfluorohexanoic acid (PFHxA)	21.1	ppt		1.3	4.0	MARKA COMPANIA MENONAMBANTA PARKA MARKA NAMPAN MINISTRA MENENTER DE PERFEREN	
perfluoro-2-propoxypropanoic acid (GenX)	3.82	ppt	-	0.73	2.3		
perfluoroheptanoic acid (PFHpA)	22.7	ppt	_	0.80	2.6		
perfluorohexanesulfonic acid (PFHxS)	[3.72]	pot	-	2.8	8.8		_
perfluorooctanoic acid (PFOA)		ppt		1.2	3.9		
perfluorononanoic acid (PFNA)	[2,48]	ppt		†.5r	4.9		<b>C</b>
perfluorooctanesulfonic acid (PFOS)	12	ppt	-	1.7	5.3		
perfluorodecanoic acid (PFDA)	[2.11]	ppt		0.90	2.7		_
perfluoroundecanoic acid (PFUnA)	N	ppt	_	1.0	3.0		
perfluorododecanoic acid (PFDoA)	ND	ppt	_	1.9	6.1		
perfluorotridecanoic acid (PFTrDA)	ND	ppt	_	3.2	<b>1</b> 0		
perfluorotetradecanoic acid (PFTA)	8	ppt	_	2.8	8.9		
C13-PFHxA (SURR)	70,494%						တ
C13-PFDA (SURR)	90.031%		_				တ
NOTES APPLICABLE TO THIS ANALYSIS:							

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.
S = This compound is a surrogate used to evaluate the quality control of a method.

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id (GenX)		_			
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[2.6					_
perfluorooctanesulfonic acid (PFOS)					
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perfluoroundecanoic acid (PFUnA)		-			
		-			
perfluorotridecanoic acid (PFTrDA)	ppt				
					SR S
	85.671%				တ
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NOTES APPLICABLE TO THIS ANALYSIS:

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation.

S = This compound is a surrogate used to evaluate the quality control of a method.

SR = Surrogate recovery was outside QC limits.

C13-PFHxA recovered below QC limits.

The PFOA branch isotope peak is included in the PFOA calculation per EPA directive. GenX analysis performed by Modified EPA Method 537.



Analytical & Consulting Chemists

# ENVIRONMENTAL CHEMISTS, INC

NCDENR: DWQ CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729

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